

CONFERENCE PLAN: Agenda

Gordon Research Conference
Proteolytic Enzymes and Their Inhibitors
June 8-12, 1992
Holderness School,
Plymouth, NH

S.V. Pizzo, M.D., Ph.D., Chairman
B.M. Dunn, Ph.D., Vice-Chairman

Session I. Monday A.M.

Discussion Leader: Ben Dunn, University of Florida

Wolfram Bode, Max Planck Institute for Biochemistry:
Serine Protease Crystallography and Enzymology

T.L. Blundell, Birkbeck College, London and B.M. Dunn, University of Florida:
Aspartic Protease Crystallography and Enzymology

Session II. Monday Evening.

Discussion Leader: Ben Dunn, University of Florida

P.M.D. Fitzgerald, Merck, Sharp, & Dohme Research Labs, and H.E. van Wart, Florida State University:
Metalloprotease Crystallography and Enzymology

M.N. James, University of Alberta and A.G. Stoner, Biotechnology Research Institute of Canada:
Cysteine Protease Crystallography and Enzymology

Session III. Tuesday A.M.

Discussion Leader: Robin Carrell, Cambridge University

James Travis, University of Georgia:
The Nature of Serpin-Protease Complexes

Elizabeth Goldsmith, University of Texas:
The Crystal Structure of PAI-1

Robin Carrell, Cambridge University:
Antithrombin III Crystal Structure and Mechanism

Session IV. Tuesday Evening

Discussion Leader: Robin Carrell, Cambridge University

W. Bode, Max Planck Institute for Biochemistry:
Models of Serpin-Protease Complexes, a Crystallographers View

D.M. Tollefsen, Washington University (tentative; not yet invited)
Dermatan Sulfate Activation of Heparin Co-factor 2

Susan Bock, Temple University:
C1 Inhibitor

Session V. Wednesday A.M.

Discussion Leader: Francis J. Castellino, University of Notre Dame

Francis J. Castellino, University of Notre Dame:
Structure-function Investigation of the Kringle Domains of Human Plasminogen and
Tissue-type Plasminogen Activator

A.M. DeVos, Genentech:
X-ray Structure of the Tissue Plasminogen Activator Kringle 2/ ω -amino acid complex

John Maraganore, Biogen:
Hirudin Analogues as Probes of Thrombin Exosites

Alexander Tulinsky, Michigan State University:
X-ray Structure of the Calcium/Bovine Prothrombin Fragment 1 Complex

Li Zhang, University of Notre Dame:
Functional Roles of Individual γ -Carboxyglutamic Acid Residues in Human Activated
Protein C

Iain Campbell, Oxford University:
Structure-function relationships of Growth Factor Regions of Clotting and Fibrinolytic
Proteases

Session VI. Wednesday Evening

Discussion Leader: Guy Salvesen, Duke University

Guy Salvesen, Duke University:
Intracellular Processing of Serine Proteinases

E. Madison, University of Texas:
Plasminogen Activation by t-PA and its Mutants

S. Sinha, Athena Neurosciences:
Proteolytic Processing of Alzheimer's Disease Peptide Precursor

R. Black, Immunex Co.:
Proteolytic Activation of Pro-IL 1 β

P. Barr, Chiron Corp.:
Prohormone Processing Proteases

Session VII. Thursday A.M.

Discussion Leader: Eckhardt Wimmer, State University of New York at Stonybrook

Speakers not yet chosen

Session VIII. Thursday Evening

Poster Discussion

Session IX. Friday A.M.

Discussion Leader: Sal Pizzo, Duke University

Open for timely topics to be chosen by February, 1992.